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Filed: December 28, 2001  
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**CLAIM AMENDMENTS**

Claims 11-30 are currently pending in the application.

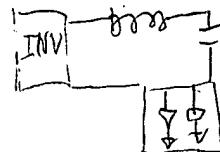
Please amend claims 11, 13-15, 18, 20, 22, 25, 27, and 29 as shown below.

The following listing of claims 1-30 will replace all prior versions, and listings, of claims in the application:

1.-10. (Cancelled)

11. (Currently Amended) A device, comprising:  
a first LED array having a first anti-parallel configuration;  
an inverter operable to provide an alternating voltage; and  
a first impedance circuit including a first resonant inductor and a first resonant capacitor connected to said first LED array in a first series resonant, series loaded configuration having said first resonant inductor connected in series to said inverter, and said first resonant capacitor connected in series between said first resonant inductor and said first LED array,

wherein said first impedance circuit directs a first flow of a first alternating current through said first LED array in response to the alternating voltage having a first polarity and directs a second flow of the first alternating current through said first LED array in response to the alternating voltage having a second polarity.



12. (Previously Added) The device of claim 11, wherein said first LED array includes at least one of a LED pair, a LED string and a LED matrix.

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13 (Currently Amended) The device of claim 11,  
further comprising a second LED array having a second anti-parallel  
configuration;  
wherein said first impedance circuit further includes a second resonant  
capacitor;  
wherein said first resonant inductor and said second resonant capacitor are  
connected to said second LED array in a second series resonant, series loaded  
configuration having said first resonant inductor connected in series to said inverter,  
and said second resonant capacitor connected in series between said first resonant  
inductor and said second LED array; and  
wherein said first impedance circuit directs a third flow of a second alternating  
current through said second LED array in response to the alternating voltage having  
the first polarity and directs a fourth flow of the second alternating current through  
said second LED array in response to the alternating voltage having the second  
polarity.

14. (Currently Amended) The device of claim 11, further comprising:  
a second LED array having a second anti-parallel configuration; and  
a second impedance circuit including a second resonant inductor and a second  
resonant capacitor connected to said second LED array in a second series resonant,  
series loaded configuration having said second resonant inductor connected in series  
to said inverter, and said second resonant capacitor connected in series between said  
second resonant inductor and said second LED array,  
wherein said second impedance circuit directs a third flow of a second  
alternating current through said second LED array in response to the alternating  
voltage having the first polarity and directs a fourth flow of the second alternating  
current through said second LED array in response to the alternating voltage having  
the second polarity.

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*Amended  
Serial No. 11*

*F15*

15. (Currently Amended) A device, comprising:  
a first LED array having a first anti-parallel configuration;  
an inverter operable to provide an alternating voltage; and  
a first impedance circuit including a first resonant inductor and a first resonant  
capacitor array connected to said first LED array in a first series resonant, series  
loaded configuration having said first resonant inductor connected in series to said  
inverter, and said first resonant capacitor array connected in series between said first  
resonant inductor and said first LED array,

*wherein said first impedance circuit directs a first flow of a first  
alternating current through first LED array in response to the alternating voltage  
having a first polarity and directs a second flow of the first alternating current through  
said first LED array in response to the alternating voltage having a second polarity.*

*B1*

16. (Previously Added) The device of claim 15, wherein said first LED array  
includes at least one of a LED pair, a LED string and a LED matrix.

17. (Previously Added) The device of claim 15, wherein said first LED array  
includes a switch operable to control at least one of the first flow and the second flow  
of the first alternating current through said first LED array.

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18. (Currently Amended) The device of claim 15,  
further comprising a second LED array having a second anti-parallel  
configuration;  
wherein said first impedance circuit further includes a second capacitor array; *different from claim 17*  
wherein said first resonant inductor and said second resonant capacitor array  
are connected to said second LED array in a second series resonant, series loaded  
configuration having said first resonant inductor connected in series to said inverter,  
and said second resonant capacitor connected in series between said first resonant  
inductor and said second LED array; and  
wherein said first impedance circuit directs a third flow of a second alternating  
current through said second LED array in response to the alternating voltage having  
the first polarity and directs a fourth flow of the second alternating current through  
said second LED array in response to the alternating voltage having the second  
polarity.

19. (Previously Added) The device of claim 18,  
wherein said first LED array includes a first switch operable to control at least  
one of the first flow and the second flow of the first alternating current through said  
first LED array; and  
wherein said second LED array includes a second switch operable to control at  
least one of the third flow and the fourth flow of the second alternating current  
through said second LED array.

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20. (Currently Amended) The device of claim 15, further comprising:

*different from cl 14*  
a second LED array having a second anti-parallel configuration; and  
a second impedance circuit including a second resonant inductor and a second  
resonant capacitor array connected to said second LED array in a second series  
resonant, series loaded configuration having said second resonant inductor connected  
in series to said inverter, and said second resonant capacitor array connected in series  
between said second resonant inductor and said second LED array.

wherein said second impedance circuit directs a third flow of a second  
alternating current through said second LED array in response to the alternating  
voltage having the first polarity and directs a fourth flow of the second alternating  
current through said second LED array in response to the alternating voltage having  
the second polarity.

21. (Previously Added) The device of claim 20,

wherein said first LED array includes a first switch operable to control at least  
one of the first flow and the second flow of the first alternating current through said  
first LED array; and

wherein said second LED array includes a second switch operable to control at  
least one of the third flow and the fourth flow of the second alternating current  
through said second LED array.

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22. (Currently Amended) A device, comprising:  
a first LED array having a first anti-parallel configuration;  
an inverter operable to provide an alternating voltage; and  
a first <sup>resonant</sup> impedance circuit connected to said first LED array in a first series resonant, series loaded configuration <sup>N/A</sup> having said first resonating impedance circuit connected in series between said inverter and said first LED array.

wherein said first resonating impedance circuit includes means for directing a first flow of a first alternating current through said first LED array in response to the alternating voltage having a first polarity and directing a second flow of the first alternating current through said first LED array in response to the alternating voltage having a second polarity.

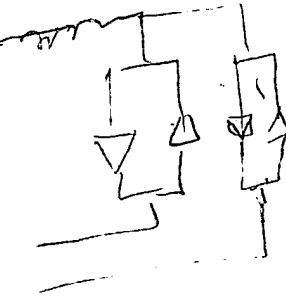
23. (Previously Added) The device of claim 22, wherein said first LED array includes at least one of a LED pair, a LED string and a LED matrix.

24. (Previously Added) The device of claim 22, wherein said first LED array includes a switch operable to control at least one of the first flow and the second flow of the first alternating current through said first LED array.

25. (Currently Amended) The device of claim 22,  
further comprising a second LED array having a second anti-parallel configuration;

wherein said first resonating impedance circuit is connected to said second LED array in a second series resonant, series loaded configuration having said first resonating impedance circuit connected in series between said inverter and said second LED array; and

wherein said first resonating impedance circuit includes means for directing a third flow of a second alternating current through said second LED array in response to the alternating voltage having the first polarity and directing a fourth flow of the second alternating current through said second LED array in response to the alternating voltage having the second polarity.



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26. (Previously Added) The device of claim 25,  
wherein said first LED array includes a first switch operable to control at least  
one of the first flow and the second flow of the first alternating current through said  
first LED array; and  
wherein said second LED array includes a second switch operable to control at  
least one of the third flow and the fourth flow of the second alternating current  
through said second LED array.

27. (Currently Amended) The device of claim 22, further comprising:  
a second LED array having a second anti-parallel configuration; and  
a second resonating impedance circuit connected to said second LED array in  
a second series resonant, series loaded configuration having said second resonating  
impedance circuit connected in series between said inverter and said second LED  
array,  
wherein said second resonating impedance circuit includes means for  
directing third flow of a second alternating current through said second LED array in  
response to the alternating voltage having the first polarity and directing a fourth flow  
of the second alternating current through said second LED array in response to the  
alternating voltage having the second polarity.

28. (Previously Added) The device of claim 27,  
wherein said first LED array includes a first switch operable to control at least  
one of the first flow and the second flow of the first alternating current through said  
first LED array; and  
wherein said second LED array includes a second switch operable to control at  
least one of the third flow and the fourth flow of the second alternating current  
through said second LED array.

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*b1*

*Received*

*(S) 160*

*center between*

*invertor +*

*cap*

29. (Currently Amended) A device, comprising:  
at least one LED array, each LED array having an anti-parallel configuration;  
an inverter means for providing an alternating voltage; and  
an a resonating impedance means connected to each LED array in a series  
resonant, series loaded configuration having said resonating impedance means  
connected in series between said inverter and each LED array, said resonating  
impedance means for directing a first flow of a first alternating current through said at  
least one LED array in response to the alternating voltage having a first polarity and  
directing a second flow of the first alternating current through said at least one LED  
array in response to the alternating voltage having a second polarity.

30. (Previously Added) The device of claim 29, wherein said at least one LED  
array includes switching means for controlling at least one of the first flow and the  
second flow of the first alternating current through said at least one LED array.